



# RAW DATA

EXPERIMENT:	MOL. WT #2
CODE:	222
DOSAGE FORM:	<u>600,000 cs PDMS</u> MIDI 1.5% MICRODENT @ 10% PDMS ALL PDMS IN COATING 1 TAB, 6/d
READING:	48 hr FINAL

FINAL # 222 1.53 N ( )

Subj.	Date	Index	Total	Sites	Proximal	Smooth	Posterior
1	08/03/1994	1.80	259.0	144	1.93	1.54	1.57
2	08/03/1994	1.43	232.0	162	1.58	1.13	1.57
3	08/03/1994	1.44	242.0	168	1.57	1.18	1.54
4	08/03/1994	1.73	249.0	144	1.92	1.35	1.90
5	08/03/1994	1.57	226.0	144	1.77	1.17	1.64
6	08/03/1994	1.64	227.0	138	1.88	1.17	1.79
7	08/03/1994	1.67	280.0	168	1.83	1.34	1.92

# SUBJECT INITIALIZATION FORM

Plaque Study # XX-XXX

SUBJECT INITIALS: LRR  
SEX: M AGE: 26

DATE: 08/03/1994  
TIME: 07:27  
SUBJECT NUMBER: 001

RIGHT	2	3	4	5	6	7	8	9	10	11	12	13	14	15	LEFT
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
				6							6				UPPER
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	31	30	29	28	27	26	25	24	23	22	21	20	19	18	
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
				6							6				LOWER
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	

[6] for OPEN

[4] for CLOSED

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Examiner's Signature

08/03/1994  
Date

# PLAQUE EVALUATION FORM

Subject #: 001      Exam Period: Final1      Time: 07:28  
 Initials: LRR      Age: 26      Date: 08/03/1994      Recorder: AW  
 RIGHT      2      3      4      5      6      7      8      9      10      11      12      13      14      15      LEFT

D-F	3	2	2	X	3	2	1	1	1	3	X	2	2	2	62
Mid-F	2	2	1	X	2	1	1	1	1	2	X	1	1	2	
Mes-F	3	2	1	X	2	1	1	1	1	2	X	2	2	3	
															UPPER
D-P	1	1	2	X	1	1	1	2	1	1	X	1	1	1	40
Mid-P	1	1	1	X	1	1	1	1	1	1	X	1	1	1	
Mes-P	1	1	2	X	1	1	1	1	1	1	X	1	1	2	
															102
D-F	2	2	2	X	3	2	2	2	3	3	X	1	2	2	64
Mid-F	1	1	2	X	2	2	1	1	1	1	X	1	1	1	
Mes-F	2	2	2	X	3	2	2	2	2	2	X	1	1	2	
															LOWER
D-L	2	2	2	X	3	4	4	4	3	3	X	2	1	1	93
Mid-L	2	2	2	X	4	4	4	4	3	2	X	1	1	1	
Mes-L	2	2	2	X	4	4	4	4	3	3	X	2	1	1	
															157
	31	30	29	28	27	26	25	24	23	22	21	20	19	18	

Total = 259.0

Sites = 144

Index = 1.80

Comment:

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 Examiner's Signature

08/03/1994  
 Date

# SUBJECT INITIALIZATION FORM

Plaque Study # XX-XXX

SUBJECT INITIALS: ARF  
SEX: M AGE: 25

SUBJECT NUMBER: 002  
DATE: 08/03/1994 TIME: 07:39

RIGHT	2	3	4	5	6	7	8	9	10	11	12	13	14	15	LEFT
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	UPPER
	31	30	29	28	27	26	25	24	23	22	21	20	19	18	
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
							6								LOWER
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	

[6] for OPEN

[4] for CLOSED

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Investigator's Signature

08/03/1994  
Date

## PLAQUE EVALUATION FORM

Subject #: 002      Exam Period: Final1      Time: 07:41  
 Initials: ARF      Age: 25      Date: 08/03/1994      Recorder: AW  
 RIGHT      2      3      4      5      6      7      8      9      10      11      12      13      14      15      LEFT

D-F	3	2	2	2	2	1	1	1	1	2	2	2	2	3	68
Mid-F	3	2	1	1	1	1	1	1	1	1	1	1	2	2	
Mes-F	3	2	2	1	1	1	1	1	1	1	2	2	2	3	
															UPPER
D-P	2	2	1	1	1	1	1	1	1	1	1	1	1	1	46
Mid-P	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Mes-P	2	1	1	1	1	1	1	1	2	1	1	1	1	1	
															114
D-F	2	1	2	1	1	1	X	1	1	1	2	2	2	2	51
Mid-F	1	1	1	1	1	1	X	1	1	1	1	1	1	1	
Mes-F	2	1	2	1	2	1	X	1	1	1	1	2	2	2	
															LOWER
D-L	2	2	2	2	2	2	X	2	2	2	2	2	2	1	67
Mid-L	1	2	1	1	1	1	X	1	1	1	1	1	1	2	
Mes-L	2	2	2	2	2	2	X	2	3	2	2	2	2	2	
															118
	31	30	29	28	27	26	25	24	23	22	21	20	19	18	
Total = 232.0							Sites = 162				Index = 1.43				

Comment:

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Date

SUBJECT INITIALIZATION FORM

Plaque Study # XX-XXX

SUBJECT INITIALS: AMS  
SEX: F AGE: 24

SUBJECT NUMBER: 003  
DATE: 08/03/1994 TIME: 07:48

RIGHT	2	3	4	5	6	7	8	9	10	11	12	13	14	15	LEFT
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	UPPER
	31	30	29	28	27	26	25	24	23	22	21	20	19	18	
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	LOWER

[6] for OPEN

[4] for CLOSED

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Investigator's Signature

08/03/1994  
Date



# PLAQUE EVALUATION FORM

Subject #: 003 Exam Period: Final1 Time: 07:51  
 Initials: AMS Age: 24 Date: 08/03/1994 Recorder: AW  
 RIGHT 2 3 4 5 6 7 8 9 10 11 12 13 14 15 LEFT

D-F	2	3	3	2	2	2	1	1	1	2	2	2	2	2	
Mid-F	2	2	2	2	2	2	1	1	1	1	1	1	1	2	72
Mes-F	2	2	3	2	2	1	1	1	1	1	2	2	2	2	
															UPPER
D-P	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
Mid-P	1	1	1	1	1	1	1	1	1	1	1	1	1	1	42
Mes-P	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
															114
D-F	2	2	2	1	2	1	1	1	1	2	1	2	2	2	
Mid-F	1	1	1	1	1	1	1	1	1	1	1	1	1	1	57
Mes-F	2	2	2	1	2	1	1	1	1	1	1	2	2	2	
															LOWER
D-L	2	2	2	2	2	2	2	2	2	2	2	2	1	1	
Mid-L	2	2	2	1	1	1	1	1	1	1	1	1	1	1	71
Mes-L	2	2	2	2	2	2	3	2	2	2	2	2	2	1	
															128
	31	30	29	28	27	26	25	24	23	22	21	20	19	18	

Total = 242.0 Sites = 168 Index = 1.44

Comment:

Miner's Signature

08/03/1994  
 Date

# SUBJECT INITIALIZATION FORM

Plaque Study # XX-XXX

SUBJECT INITIALS: DJW  
SEX: M AGE: 26

SUBJECT NUMBER: 004  
DATE: 08/03/1994 TIME: 07:43

RIGHT	2	3	4	5	6	7	8	9	10	11	12	13	14	15	LEFT
	-----					-----					-----				
				6							6				UPPER
	-----					-----					-----				
	31	30	29	28	27	26	25	24	23	22	21	20	19	18	
	-----					-----					-----				
				6							6				LOWER
	-----					-----					-----				

[6] for OPEN

[4] for CLOSED

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08/03/1994  
Date

# PLAQUE EVALUATION FORM

Subject #: 004      Exam Period: Final1      Time: 07:44  
 Initials: DJW      Age: 26      Date: 08/03/1994      Recorder: AW  
 RIGHT      2      3      4      5      6      7      8      9      10      11      12      13      14      15      LEFT

D-F	4	3	3	X	3	2	2	1	2	2	X	3	3	3	79
Mid-F	4	2	2	X	1	2	1	1	1	1	X	1	2	2	
Mes-F	4	3	2	X	3	2	1	1	1	2	X	3	3	3	
															UPPER
D-P	2	1	1	X	1	2	1	1	1	1	X	1	1	1	40
Mid-P	1	1	1	X	1	1	1	1	1	1	X	1	1	1	
Mes-P	2	1	1	X	1	2	1	1	1	1	X	1	1	1	
															119
D-F	2	2	2	X	2	2	2	2	2	3	X	2	2	2	62
Mid-F	1	1	1	X	1	1	1	1	1	1	X	1	1	2	
Mes-F	2	2	2	X	2	2	2	2	2	2	X	2	2	2	
															LOWER
D-L	2	2	2	X	2	2	2	2	2	2	X	2	2	2	68
Mid-L	2	2	2	X	1	1	1	1	2	2	X	2	2	2	
Mes-L	2	2	2	X	2	2	2	2	2	2	X	2	2	2	
															130
31    30    29    28    27    26    25    24    23    22    21    20    19    18															
Total = 249.0      Sites = 144      Index = 1.73															
Comment:															

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 Examiner's Signature

08/03/1994  
 Date

# SUBJECT INITIALIZATION FORM

Plaque Study # XX-XXX

SUBJECT INITIALS: SD  
 SEX: F AGE: 27

DATE: 08/03/1994 SUBJECT NUMBER: 005  
 TIME: 08:00

RIGHT	2	3	4	5	6	7	8	9	10	11	12	13	14	15	LEFT
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
						6	6						6		UPPER
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	31	30	29	28	27	26	25	24	23	22	21	20	19	18	
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
		6													LOWER
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	

[6] for OPEN

[4] for CLOSED

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 Investigator's Signature

08/03/1994  
 Date

# PLAQUE EVALUATION FORM

Subject #: 005      Exam Period: Final11      Time: 08:02  
 Initials: SD      Age: 27      Date: 08/03/1994      Recorder: AW  
 RIGHT      2      3      4      5      6      7      8      9      10      11      12      13      14      15      LEFT

D-F	2	2	2	1	1	X	X	1	1	2	2	2	X	2	47
Mid-F	1	1	1	1	1	X	X	1	1	1	1	1	X	2	
Mes-F	2	2	2	1	1	X	X	1	1	1	1	2	X	3	
															UPPER
D-P	2	2	1	1	2	X	X	2	2	2	2	2	X	2	51
Mid-P	1	1	1	1	1	X	X	1	1	1	1	1	X	1	
Mes-P	2	2	1	1	2	X	X	2	2	2	2	2	X	2	
															98
D-F	3	X	2	2	2	2	2	2	2	2	2	2	2	2	71
Mid-F	2	X	1	1	2	1	1	1	2	2	1	1	1	2	
Mes-F	2	X	2	2	2	2	2	2	2	2	2	2	2	2	
															LOWER
D-L	2	X	2	1	1	1	1	1	2	2	2	2	2	2	57
Mid-L	1	X	1	1	1	1	1	1	1	1	1	1	2	2	
Mes-L	2	X	2	1	1	1	1	1	2	2	2	2	2	2	
															128
31    30    29    28    27    26    25    24    23    22    21    20    19    18															
Total = 226.0      Sites = 144      Index = 1.57															

Comment:

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 Examiner's Signature

08/03/1994  
 Date

# SUBJECT INITIALIZATION FORM

Plaque Study # XX-XXX

SUBJECT INITIALS: JPP  
SEX: M AGE: 30

DATE: 08/03/1994

SUBJECT NUMBER: 006  
TIME: 08:45

RIGHT	2	3	4	5	6	7	8	9	10	11	12	13	14	15	LEFT
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
				6							6			6	UPPER
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	31	30	29	28	27	26	25	24	23	22	21	20	19	18	
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
				6							6				LOWER
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	

[6] for OPEN

[4] for CLOSED

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Miner's Signature

08/03/1994  
Date

# PLAQUE EVALUATION FORM

Subject #: 006      Exam Period: Final1      Time: 07:47  
 Initials: JPP      Age: 30      Date: 08/03/1994      Recorder: AW  
 RIGHT      2      3      4      5      6      7      8      9      10      11      12      13      14      15      LEFT

D-F	3	3	3	X	2	1	1	1	1	2	X	2	3	X	61
Mid-F	3	3	2	X	1	1	1	1	1	1	X	1	3	X	
Mes-F	3	3	3	X	2	1	1	1	1	1	X	2	3	X	
-----															UPPER
D-P	2	2	2	X	2	2	1	2	1	1	X	1	1	X	
Mid-P	1	1	1	X	1	1	1	1	1	1	X	1	1	X	
Mes-P	2	2	2	X	2	2	1	2	2	1	X	1	1	X	107
-----															
D-F	1	1	2	X	2	3	2	2	2	2	X	2	2	2	
Mid-F	1	1	1	X	1	1	1	1	1	1	X	1	1	1	59
Mes-F	1	1	2	X	3	3	2	2	2	2	X	2	2	2	
-----															
															LOWER
D-L	2	2	2	X	2	2	2	2	2	2	X	2	2	2	
Mid-L	1	1	1	X	1	1	1	1	1	1	X	1	1	2	
Mes-L	2	2	2	X	2	2	2	2	2	2	X	2	2	2	120
-----															
	31	30	29	28	27	26	25	24	23	22	21	20	19	18	
Total = 227.0					Sites = 138					Index = 1.64					

Comment:

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 Examiner's Signature

08/03/1994  
 Date

SUBJECT INITIALIZATION FORM

Plaque Study # XX-XXX

SUBJECT INITIALS: DEM  
SEX: M AGE: 25

SUBJECT NUMBER: 007  
DATE: 08/03/1994 TIME: 07:55

RIGHT	2	3	4	5	6	7	8	9	10	11	12	13	14	15	LEFT
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	UPPER
	31	30	29	28	27	26	25	24	23	22	21	20	19	18	
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
	---	---	---	---	---	---	---	---	---	---	---	---	---	---	LOWER

[6] for OPEN

[4] for CLOSED

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Miner's Signature

08/03/1994  
Date



# PLAQUE EVALUATION FORM

Subject #: 007      Exam Period: Final1      Time: 07:57  
 Initials: DEM      Age: 25      Date: 08/03/1994      Recorder: AW  
 RIGHT      2      3      4      5      6      7      8      9      10      11      12      13      14      15      LEFT

D-F	3	3	3	3	3	1	1	1	2	3	2	3	3	3	88
Mid-F	3	3	2	2	1	1	1	1	1	1	2	2	3	3	
Mes-F	3	3	3	2	1	1	1	1	1	1	2	3	3	3	
-----															UPPER
D-P	2	1	1	2	1	1	1	1	1	1	1	2	2	2	
Mid-P	1	1	1	1	1	1	1	1	1	1	1	1	1	2	
Mes-P	2	1	1	1	1	1	1	1	1	1	1	2	2	2	140
D-F	2	2	2	2	3	2	2	2	3	3	2	2	2	2	
Mid-F	1	1	1	1	1	1	1	1	1	2	2	2	2	2	
Mes-F	2	2	2	2	2	2	2	2	2	3	2	2	2	2	79
-----															LOWER
D-L	2	2	2	2	1	1	1	1	1	2	2	2	2	2	
Mid-L	1	1	1	1	1	1	1	1	1	1	1	1	1	2	
Mes-L	2	2	2	2	1	1	1	1	1	2	2	2	2	2	
-----															140

31    30    29    28    27    26    25      24    23    22    21    20    19    18  
 Total = 280.0      Sites = 168      Index = 1.67

Comment:

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 Examiner's Signature

08/03/1994  
 Date

T test (Independent samples) comparing Column 1 with Column 2:

Counts: 7, 7

Means : 1.61, 2.01

Variances : 0.02, 0.06

Stdevs : 0.14, 0.24

Assumed variance : 0.04

t = -3.89, with 12 df (for equal variances)

Pr [ t < -3.89 ] = 0.00

t\* = -3.89 with 9.78 df (for unequal variances)

Sign test comparing Column 1 with Column 2:

7 pairs

7 non - zero differences

1 positive differences

Pr [ X ≤ 1 ] = 0.06 where X is the distribution Bin[7, 0.5]

Correlation (Pearson product moment coefficient) comparing Column 1 with Column 2:

r = 0.34

Mann Whitney U test (Independent samples) comparing Column 1 with Column 2:

Totals of the ranks :

T = 75.0 with 7 samples

U = 30.0 with 7 samples

U = ( sum of ranks of the smaller sample ) = 30.0

Look up critical value for n = 7 , m = 7 , U = 30.00 in the Mann Whitney U table.

T test (Independent samples) comparing Column 1 with Column 2:

Counts: 7, 7

Means : 1.61, 2.01

Variances : 0.02, 0.06

Stdevs : 0.14, 0.24

Assumed variance : 0.04

t = -3.89, with 12 df (for equal variances)

$\Pr [ t < -3.89 ] = 0.00$

t\* = -3.89 with 9.78 df (for unequal variances)

Sign test comparing Column 1 with Column 2:

7 pairs

7 non - zero differences

1 positive differences

$\Pr [ X \leq 1 ] = 0.06$  where X is the distribution Bin[7, 0.5]

Correlation (Pearson product moment coefficient) comparing Column 1 with Column 2:

r = 0.34

# Descriptive Statistics: Column 1

Count:	Range:
7	0.7500
Minimum:	Maximum:
1.200	2.4700
Median:	Interquart range:
1.100	0.1700
Q1:	Q3:
1.8900	2.0600
Sum:	$\sum$ of squares:
14.1000	28.7344
Mean:	Standard Error of Mean:
2.0143	0.0890
Std dev:	Variance:
0.2356	0.0555
Geom mean:	Harm mean:
2.0031	1.9924
10% Trimmed mean:	Coeff of Variation:
2.0143	0.1170
Skewness:	Kurtosis:
0.8962	0.2394

Mode: Column 1

All occur once only.

## 95% Confidence Intervals: Column 1

Mean  $\pm$  95% CIs: 2.0143  $\pm$  0.2106 (1.8037, 2.2249)

## 95% Prediction Intervals: Column 1

Mean  $\pm$  95% PIs: 2.0143  $\pm$  0.5957 (1.4186, 2.6100)

$$\begin{aligned}
 & 2.014 \\
 & - 1.611 \\
 & \hline
 & 0.403 \\
 & = 0.2015
 \end{aligned}$$

Descriptive Statistics: Column 1

Count:	Range:
7	0.7500
Minimum:	Maximum:
2.00	2.4700
Mean:	Interquart range:
2.00	0.1700
Q1:	Q3:
1.8900	2.0600
Sum:	$\Sigma$ of squares:
14.1000	28.7344
Mean:	Standard Error of Mean:
2.0143	0.0890
Std dev:	Variance:
0.2356	0.0555
Geom mean:	Harm mean:
2.0031	1.9924
10% Trimmed mean:	Coeff of Variation:
2.0143	0.1170
Skewness:	Kurtosis:
0.8962	0.2394

" $\mu$ " = 2.014  
Std dev. 0.236

Std error 0.089 Var. 0.055  
Coeff. and var 11.695

Min 172  
Max 247

Range 075 Sum 141